

## Rotorcraft Aeromechanics

### Errata

August 2016

page 40: “The flow far upstream is at rest for the hovering rotor, so  $T = \dot{m}v$ .” should be “The flow far upstream is at rest for the hovering rotor, so  $T = \dot{m}w$ .”

page 185, equation 6.161:  $\beta_{1s}$  should be  $\beta_{1c}$

page 196, equation 6.220:  $-\frac{\theta_{tw}}{10}$  should be  $+\frac{\theta_{tw}}{10}$

page 267: “The aircraft weight is greater than the rotor lift because of download ...” should be “The rotor lift is greater than the aircraft weight because of download ...”

pages 297, 301 (twice): Koster should be Köster

page 352, equation 9.97, first two lines (two places):  $\sigma_2$  should be  $\sigma^2$

page 387, equation 10.134:  $\frac{b}{4}w'$  should be  $bw'$

pages 436, 440: Kramer should be Krämer, Grunhagen should be Grünhagen

page 600: second “ii)” should be “iv)”

page 614, ii):  $m(r\ddot{z} - x_I\ddot{\theta})$  should be  $m(\ddot{z} - x_I\ddot{\theta})$

page 747: in Kube citation, “â:” should be m-dash

page 750, equation 19.11:  $s = \frac{\gamma}{16}...$  should be  $s = -\frac{\gamma}{16}...$

page 752, equation 19.17:  $s = \frac{\gamma}{16}...$  should be  $s = -\frac{\gamma}{16}...$

page 851, figure 21.1: font problems; horizontal dashed line missing script  $\ell$  ( $\ell_{tr}$ ); subscript “tr” should be italic roman; see next page

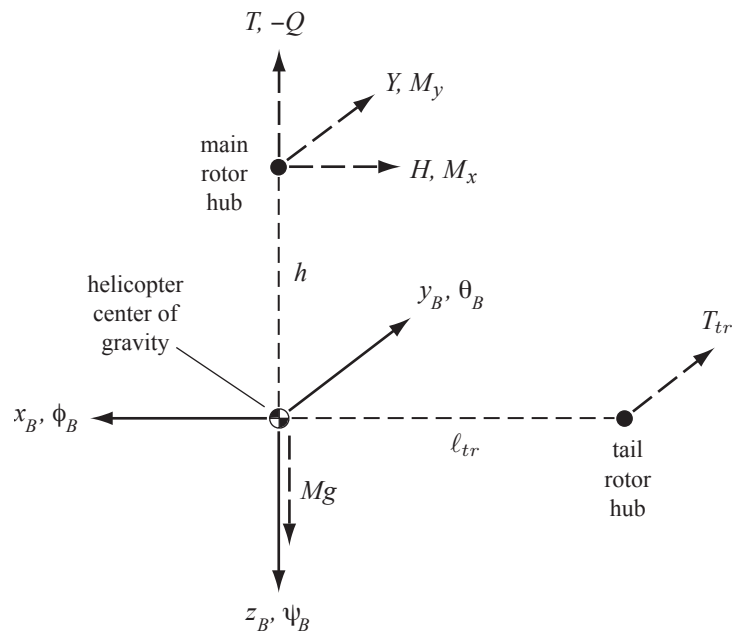


Figure 21.1. Simplified geometry of the single main rotor and tail rotor configuration.